

(SF-2320)

A RATIONAL SYSTEM FOR DESIGNING A DEPARTMENT AND
PROTECTIVE MEASURES FOR WORKING WITH
COVERED RADIOACTIVE PREPARATIONS, BY
I. G. LAGUNOVA, A. V. KOZLOVA, ET AL, 12 PP.

RUSSIAN, PER, MEDIT RADIOLGIYA, VOL VII, NO 6,
1962, PP 69-76.

JPRS 15173

SCI - MEDICINE
SEP 62

210,762

(SF-2320)

PHYSICAL BASES OF ELECTRON THERAPY, BY V. A. PETROV,
13 PP.

RUSSIAN, PER, MEDIT RADILOGIYA, VOL VII, NO 6,
1962, PP 80-87.

JPRS 15173

SCI • MEDICINE

SEP 62

210,764

<p>Vacek, A. CHANGES IN THE GAS EXCHANGE IN RATS AFTER INTRAPERITONEAL INJECTION OF CYSTEINE AND CYSTEAMINE. [1963] [9 p. 15 refs. FASEB manuscript no. S 164-2. Order from OTS or SLA \$1.10</p> <p>63-19375</p> <p>Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 7, p. 57-62.</p> <p>DESCRIPTORS: Gases, Rats, Peritoneum, Injection (Medicine), *Cysteine, *Cysteinamines, *Radioprotective agents, Metabolism, *Oxygen.</p> <p>It is shown that the internal milieu of biological objects exposed to irradiation is disturbed after administration of cysteine and cysteamine. The metabolic processes are intensified and the CO₂ excretion and the RQ are increased. It is evident that the direct part played by the oxygen demand in the mechanism of the protective action of cysteine and cysteamine is very small; the latter is not the result of the specific action of these two (Biological Sciences--Pharmacology, TT, v. 10, no. 5) (over)</p>	<p>63-19375</p> <p>I. Vacek, A. II. FASEB S-164-2 III. Federation of American Societies for Experimental Biology, Washington, D.C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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THE EFFECT OF IONIZING RADIATION ON THE COURSE OF
INFECTION AND THE CONDITION OF IMMUNITY DURING
EXPERIMENTALLY INDUCED MEASLES IN MONKEYS, BY
B. A. LAPIN, Z. K. STASILEVICH, 8 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,
PP 62-67.

JPRS 15514

SCI - MED

OCT 62

212,871

THE BLASTONOGENIC ACTION OF SMALL AMOUNTS OF RADIOACTIVE ISOTOPES, BY N. A. KRAYEVSKIY, V. N. STREL'TSOVA, YU. I. MOSKALEV, 7PP.

RUSSIAN, PER, MEDIT, RADIOL, VOL VII, NO 7, 1962,
PP 68-71.

JPRS 15514

SCI - PHYS

OCT 62

212,872

CERTAIN REMARKS ON THE ARTICLE OF D. K. ZAVADOVSKIY
ENTITLED "CERTAIN PROBLEMS OF DOSIMETRY OF BETATRON
RADIATION, BY G. P. GARGANEYEV, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,
PP 75-77.

JPRS 15514

~~SCI - PHYS~~

OCT 62

212,873

CONCERNING CRITICAL REMARKS ON THE ARTICLE CALLED
"CERTAIN PROBLEMS OF THE DOSIMETRY OF BETATRON
RADIATION.", BY D. K. ZAVADOVSKIY, 4 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,
PP 78-80.

JPRS 15514

SCI - PHYS
~~SECRET~~
OCT 62

212,874

DOSIMETRIC CHARACTERISTICS OF SOURCES OF ELECTRONS,
BY V. A. PETROV, 11 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 7, 1962,
PP 82-88.

JPRS 15514

SCI - PHYS

OCT 62

212,875

S-541/62

NY-7213

Concerning Certain Protective and Restorative
Reactions of an Organism During Radiation Sickness,
by N. K. Sviridov, Ye. G. Parfenova.

RUSSIAN, per, Medit Radio, Vol VII, No 7, 1962,
pp 89, 90.

07SERIAL 63-23897(5pp)
62-33314

*JPRS / 15-14

Sci - Med
Aug 62

Kostenko, M. S.

EFFECTS OF SPECIFIC HEMOLYSINS ON PHAGOCYTOSIS IN PERITONEAL EXUDATE IN RADIATION SICKNESS. [1963] [7p. 12refs. FASEB Manuscript no. S378-2.

Order from OTS or SLA \$1.10 63-23896

Trans. of Meditsinskaya Radiobiologiya (USSR) 1962, v. 7, no. 7, p. 90-92.

DESCRIPTORS: *Hemolysins, *Phagocytosis, *Radiation sickness, Secretion, *Peritoneum.

Results are given on the phagocytic activity of leukocytes in peritoneal exudate in radiation sickness (in vivo experiments). Allowance was made in these experiments for the effect of hemolysins produced by injection of foreign erythrocytes. (Author)

(Biological Sciences--Radiobiology, TT, v. 10, no. 12)

63-23896

- I. Kostenko, M. S.
- II. FASEB S-378-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Mastbaum, L S [131] ACCUMULATION IN THE EARLY DYNAMICS OF DYNAMICS OF [131] ACCUMULATION IN THE EARLY PERIOD FOLLOWING OPERATION ON THE THYROID GLAND. [1963]. [14p] Loreta FASKE manuscript no. 8 305-2. Order from OTS, SLA, or ETC \$1.60 TT-64-13525 Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 8, p. 8-11.

DESCRIPTORS: Tracer studies, Radioactive isotopes, Iodine, Surgery, Thyroid gland, Absorption (Biological).

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13525

- I. Mastbaum, L S.
- II. FASEB-S-305-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Spiridonova, M. V.
THE DYNAMICS OF CHANGES IN THE ELECTRO-
CARDIOGRAM OF THYROTOXICOSIS PATIENTS
DURING RADIIODINE THERAPY. [1963] [14]p.
9 refs. FASEB manuscript no. S 306-2. 63-23022
Order from OTS or SLA \$1.60
Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 8, p. 22-29.

DESCRIPTORS: Electrocardiography, *Hyperthyroidism,
*Radiotherapy, Radioisotopes, Iodine.

Clinical and electrocardiographic observations of
patients with moderate and severe thyrotoxicosis
treated with I^{131} have shown the effect of radiiodine
in early and late stages on the functions of automaticity,
excitability and conductivity of the myocardium and on
the coronary vessels. The data obtained permit the
(Biological Sciences--Radiobiology, TT, v. 10, no. 7)
(over)

63-23022

- I. Spiridonova, M. V.
- II. FASEB S-306-2
- III. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

The Radiation Energy Absorbed by the Human Body
During the Inhalation of Air and Ingestion of
Water Enriched with Radon, by S.V.Andreyev.
RUSSIAN, per, Med Radiologiya, 1962, vol.7,
no.8, pp.40-46.
OTS-TR-64-23511

B/M
Aug 66

307,762

Ivanova, E. Ya., Parshina, E. A., and
Aleksandrovich, E. I.
THE EFFECTS OF BONE MARROW IMPLANTATIONS ON THE DEVELOPMENT OF RADIATION SICKNESS IN GRAVID ANIMALS AND THEIR PROGENY. [1963] [12p. 2 refs. FASEB manuscript no. S 307-2]
Order from OTS or SLA \$1.60

63-23418

Trans. of Medizinistika Radiologiya (USSR) 1962,
v. 7, no. 8 p. 52-59.

DESCRIPTORS: *Bone marrow, Transplantation, *Radiation sickness, Animals, Pregnancy, *Radioprotective agents, Inhibition, Radiation effects.

Transplantation of bone marrow to gravid animals that have received a radiation dose of 800 r lightens the course of radiation sickness and preserves the progeny of a proportion of the animals. It can therefore (Biological Sciences--Radiobiology, TT, v. 10, no. 8)

63-23418

- I. Ivanova, E. Ya.
- II. Parshina, E. A.
- III. Aleksandrovich, E. I.
- IV. FASEB S-307-2
- V. Federation of American Societies for Experimental Biology, Washington, D.C.

Office of Technical Services

2000
Ce 11. [REDACTED] CHANGES DURING CHRONIC, SUSTAINED
IONIZING RADIATION, BY P. N. KISELEV, P. A.
BUZINI, LO PP.

RUSSIAN, UPER, MEDITSINSKAYA RADILOGIYA,
VOL VII, NO 8, 1962, PP 59-65.

JPRS [REDACTED] 16242
OTS 63-23419

SCI - MED

NOV 62

219,695

THE PRODUCTION OF MORGAN'S TOXICOINFECTION IN
MONKEYS IN RELATION TO ACUTE RADIATION SICKNESS,
BY L. A. YAKOVLEVA, B. A. LAPIN, ET AL,

~~34~~ PP.

RUSSIAN, PER, MEDICAL RADIOLOGY, VOL VII, NO 8,
L962, PP 65-68.

JPRS L6242

OTB TT-63-2270 (4,1)

SCI - MED, BIOL

NOV 62

219,696 ~~TOP SECRET~~

<p>Moskalev, Yu. I. ESTABLISHMENT OF THE MAXIMAL PERMISSIBLE CONCENTRATION OF RADIOACTIVE ISOTOPES IN THE BODY AND THEIR MAXIMAL PERMISSIBLE DAILY INTAKE: DISCUSSIONS. [1963] [20]p. 3 refs. FASEB manuscript no. S 452-2. Order from OTS or SLA \$1.60 Trans. of <u>Meditinskaya Radiologiya</u> (USSR) 1962, v. 7, no. 3, p. 91-97.</p> <p>63-23882</p> <p>DESCRIPTORS: *Radiological dosage, Life span, Radioactive isotopes, *Tolerances (Physiology), Ionization, *Absorption (Biological), Physiology</p> <p>Possible experimental methods of determining the maximal permissible levels of intake of radioactive isotopes into the human body were examined, using as criteria the life span and the action of radioactive isotopes in producing osteogenic sarcoma and leukemia. (Author). (Biological Sciences - Radiobiology, TT, v. 10, no. 11)</p>	<p>63-23882</p> <p>I. Moskalev, Yu. I. II. FASEB S 452-2 III. Federation of American Societies for Experimental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>JPRS 16242</p> <p>Office of Technical Services</p>
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THE SECOND ALL-UNION CONFERENCE ON THE USE OF
RADIOELECTRONICS IN BIOLOGY AND MEDICINE, BY
YU. B. MANDEL'TSVAGY, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, VOL VII, NO 8,
1962, PP 100, 101.

JPRS 15553

SCI - MEDICINE

OCT 62

212,937

RADIATION THERAPY IN NERVOUS DISEASES, BY M. .D.
GAL'PERIN, 11 PP.

RUSSIAN, PER, MEDITSINSKAYA RADIOLOGIYA, NO 9,
SEP 1962, PP 62-70.

JPRS 16682

SCI -- MED
DEC 62

218,479

Recommendations of the Symposium on Problems
of Radiation Therapy of Non-Tumorous Diseases,
4 pp.

RUSSIAN, per, Meditinskaya Radiologiya, No 9,
1962, pp 81-83.

JPRS 16632

Sci - Med

Dec 62

Pateeva, M. N., Loginov, A. S., Ivanitskaya, L. A., and Kirillov, Yu. M.
INVESTIGATION OF THE LIVER FUNCTION BY
THE 131-BENGAL ROSE TEST. [1963] [10p] 8refs
FASEB Manuscript no. S 54-3.
Order from OTS, SLA, or ETC \$1.10 TT-63-24447

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 3-8. (Abstract available)

DESCRIPTORS: Biological stains, *Liver function tests, *Tracer studies, Labeled substances, *Scintillation counters, Medical equipment, Diagnostic agents,

The object of the study was to develop a technique of estimating the function of the polygonal cells of the liver by external scintillation counting, using an apparatus assembled for this purpose in our laboratory, and to seek the most adequate method of analyzing the (Biological Sciences--Pathology, TT, v. 11, no. 6)(over)

TT-63-24447

- I. Title: Rose bengal
- II. Pateeva, M. N.
- III. Loginov, A. S.
- IV. Ivanitskaya, L. A.
- V. Kirillov, Yu. M.
- VI. FASEB-S-54-3
- VII. Federation of American Societies for Experimental Biology, Washington, D. C.
- VIII. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Volkova, M. A., Obukhov, N. V., and Agranat, V. Z.
THE TECHNIQUE OF SCANNING THE LIVER WITH
¹³¹-BENGAL ROSE IN ONCOLOGY. [1963] [12p]
7refs FASEB Manuscript no.: S 55-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24448
Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 8-15.

DESCRIPTORS: Biological stains, *Liver function tests,
*Labeled substances, Iodine, Radioactive isotopes,
*Cancer, Scanning, *Diagnostic agents, Tracer
studies,

(Biological Sciences--Radiobiology, TT, v. 11, no. 4)

TT-63-24448

- I. Title: Rose bengal
- II. Volkova, M. A.
- III. Obukhov, N. V.
- IV. Agranat, V. Z.
- V. FASEB-S-55-3
- VI. Federation of American Societies for Experimental Biology, Washington, D. C.
- VII. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Sedov, V. V., Nevskaya, G. F., Ovdiienko, N. I.,
and Mandel'tsvalg, Yu. B.
EVALUATION OF NEW SOVIET PREPARATION OF
BENGAL ROSE (RESULTS OF AN EXPERIMENTAL
STUDY IN NORMAL CONDITIONS AND IN RADIA-
TION SICKNESS). [1963] [11p] 22refs PASEB

Manuscript no.: S 56-3
Order from CTS, SLA, or ETC \$1.60 TT-63-24449

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 15-21. (Abstract available)

DESCRIPTIONS: *Biological stains, *Radiation sickness,
*Tracer studies, Labeled substances, *Liver function
tests.

The new Soviet preparation of Bengal rose is selectively
accumulated in the liver. The curves of the radio-
activity of the liver of healthy animals are similar in
shape but show certain species differences in the rates
(Biological Sciences--Radiobiology TT, v. 11, no. 6)
(over)

TT-63-24449

- I. Title: Rose bengal
- II. Sedov, V. V.
- III. Nevskaya, G. F.
- IV. Ovdiienko, N. I.
- V. Mandel'tsvalg, Yu. B.
- VI. PASEB-S-56-3
- VII. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- VIII. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Leshchinskii, L. A., Trusov, V. V., and Lavrent'ev, E. V.
FLUORESCENCE MICROSCOPY AS A METHOD FOR DETECTING EARLY CHANGES IN THE PERIPHERAL BLOOD AFTER THE ACTION OF LOW DOSES OF IONIZING RADIATION USED IN CLINICAL PRACTICE (Vysokochitinaia lumenal'naya Perifericheskoi Krov' pri Vozdeistvii Ioničeskikh Radiatsii s Pomoshch'yu Fluorescenssno-Mikroskopicheskogo Issledovaniya). [1963] [10p.] 10x15 cm. FASB manuscript no. S 57-3. Order from CTS, SLI, or ETC \$1.10 TT-64-13490

Trans. of Radiotekhnika i Radiofizika (USSR) 1962, v. 7, no. 10, p. 81-85.

(Biological Sciences--Radiobiology, TT, v. 11, no. 1)

TT-64-13490

- I. Leshchinskii, L. A.
- II. Trusov, V. V.
- III. Lavrent'ev, E. V.
- IV. PASEB-S-57-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Shitikova, M. G. and Kozinets, G. I.
DETERMINATION OF SURVIVAL PERIODS OF TRANS-
FUSED ⁵¹Cr-LABELLED THROMBOCYTES IN ACUTE
RADIATION SICKNESS. [1963] [10p]10refs PASEB
Manuscript no. S 58-8.
Order from OTS, SLA, or ETC \$1.10 TT-63-24450

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 10, p. 41-44. (Abstract available)

DESCRIPTORS: Survival, *Blood transfusions, Labeled
substances, *Blood platelets, *Radiation sickness,
radiation effects, *Tracer studies.

⁵¹Cr-labelled canine thrombocytes survived in the
bloodstream of a healthy recipient for 5-8 days. When
labelled thrombocytes were administered on the 2nd-
3rd and 9th-10th days after irradiation the survival
period of the platelets was reduced to 3-4 and 2-3 days
respectively. In acute radiation sickness therapeutic
(Biological Sciences) - Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24450

I. Shitikova, M. G.
II. Kozinets, G. I.
III. PASEB-S-58-3
IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Polyak, A. I.
CHANGES IN IMMUNOLOGICAL REACTIVITY AND
MORPHOLOGICAL CONSTRUCTION OF LYMPHOID
TISSUE AT VARIOUS STAGES IN RADIATION
INJURY. [1963] [12p] 24 refs FASEB manuscript
no. S 60-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13491

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 7, no. 10, p. 51-55.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

TT-64-13491

- I. Polyak, A. I.
- II. FASEB-S-60-3
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Seifullin, F. K.

THE EFFECT OF COAMIDE ON THE HEALING OF
CLOSED FRACTURES IN IRRADIATED ANIMALS.
[1963] [13p] 16 refs FASEB manuscript no. S 61-3.
Order from OTS, SLA, or ETC \$1.60, TT-64-13489

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 55-59.

DESCRIPTORS: *Healing, *Bones, *Fractures (Bone),
Radiation effects, Radiation sickness, *Amides,
Nicotinic acid, Cobalt compounds, Complex compounds.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13489

- I. Title: Coamide
- II. Seifullin, F. K.
- III. Federation of American Societies for Experimental Biology, Washington, D.C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Golikov, V. Ya., Zol'nikova, N. I., Krongauz, A. N.,
and Porelegin, I. A.

ASPECTS OF THE RADIATION PROTECTION OF
MEDICAL PERSONNEL IN REMOTE-CONTROLLED
GAMMA-THERAPY DEPARTMENTS, [1963] (10p)
10refs FASEB manuscript no. S 62-3.

Order from OTS, SLA, or ETC \$1.10 TT-64-13488

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 10, p. 59-63.

DESCRIPTORS: *Radiotherapy, *Medical personnel,
Gamma rays, Medical equipment, Radiological dosage,
Safety.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13488

- I. Golikov, V. Ya.
- II. Zol'nikova, N. I.
- III. Krongauz, A. N.
- IV. Porelegin, I. A.
- V. FASEB-S-62-3
- VI. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- VII. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

ORGANIZATION OF WORK AND NORMS FOR THE WORK-
LOAD OF PERSONNEL ENGAGED IN THE DIAGNOSIS AND
TREATMENT OF DISEASES OF THE THYROID GLAND
BY RADIOACTIVE IODINE, BY V. KH. FRENKEL',
6 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 23-26.

JPRS 17402

SCI MED
JA 63

221,084

N

FIRST AID IN RADIOACTIVE IODINE POISONING,
BY V. P. BORISOV, 8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 27-31.

JPRS 17402

SCI -- MED

JAN 63

221,085

Mirimova, T. D. and Andreeva, T. S.
RADIATION INJURY TO THE SKULL AND BRAIN OF
A CHILD ARISING FROM ROENTGENOTHERAPY FOR
ADENOCARCINOMA OF THE PAROTID GLANDS.
[1963] [12p] 9refs
FASEB Manuscript no. S 44-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24442
Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 11, p. 36-39.

A case history.

DESCRIPTORS: *Radiation injuries, *Radiotherapy,
X-rays, *Skull, *Cancer, Brain, *Salivary glands.

(Biological Sciences--Radiobiology, TT, v. 11, no. 4)

TT-63-24442

- I. Mirimova, T. D.
- II. Andreeva, T. S.
- III. FASEB-S-44-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

CHANGES IN PERIPHERAL BLOOD DURING RADIATION
THERAPY, BY YE. V. KARIBSKAYA , T. E.
MATETSKAYA, 9 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VII,
NO 11, 1962, PP 39-45.

JPRS 17402

OTS TT COUNTRY OF ORIGIN

SCI - MED

JAN 63

221,086

EARLY CHANGES IN THE SKIN CHRONAXY AND VISUAL
ANALYSORS IN PERSONS EXPOSED TO A SINGLE
LOCAL X-RAY TREATMENT, BY A. S. YEFIMOVA,
8 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA,
VOL VII, NO 11, 1962, PP 45-50.

JPRS 17402
07 JTT-63-240421

SCI - MED

JAN 63

221,087

S-951/62

Concerning Evaluation of Luminescent-Microscopic Pictures of Blood and Bone Marrow During Roentgen Irradiation, by V. A. Kolpakov, ^{if (De-8346)}.

RUSSIAN, per, Med Radiol, Vol VII, No 11, 1962,
pp 50-53.

*JPRS 17402
073 TT-63-24445
... ... 21030

Sci -Med

26 Dec 62

Kozinets, G. I. and Osechenakaya, G. V.
INCLUSION OF GLYCINE C¹⁴ IN THE HEMATOPOIETIC CELLS OF LEUKEMIA PATIENTS. [1963]
[16p] 10refs. FASEB manuscript no. S 48-3.
Order from OTS, SLA or ETC \$1.60 TT-64-13492
figs. available on loan from OTS.
Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 53-59.

DESCRIPTORS: *Glycines, Labeled substances, Tracer studies, *Hemopoietic system, *Leukemia, Cells (Biology).

(Biological Sciences--Pathology, TT, v. 11, no. 9)

TT-64-13492

- I. Kozinets, G. I.
- II. Osechenakaya, G. V.
- III. FASEB-S-48-3
- IV. Federation of American Societies for Experimental Biology, Washington, D.C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Berkutov, A. N., Korchanov, L. S., Yaroslavtseva, N. A., Bochagova, D. I.
REPLACEMENT THERAPY AT THE CLIMAX OF ACUTE RADIATION SICKNESS. [1963] [13p] 18 refs
FASEB manuscript no. S-49-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-23857

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 59-63. (Abstract available)

DESCRIPTORS: *Radiation sickness, *Blood transfusions, Erythrocytes, Immunity, Blood coagulation, *Radiation effects.

X-rays were used to produce radiation sickness in 15 dogs. At the height of the disease syndrome, 10 dogs were given direct transfusions of arterial blood every 2 or 3 days, for a total of 4 or 5 transfusions. The 5 control animals did not receive any blood. Complete (Biological Sciences--Radiobiology, TT, v. 11, no. 8)
(over)

TT-63-23857

- I. Berkutov, A. N.
- II. Korchanov, L. S.
- III. Yaroslavtseva, N. A.
- IV. Bochagova, D. I.
- V. FASEB S-49-3
- VI. Federation of American Societies for Experimental Biology, Washington, D. C.
- V. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

TREATMENT OF RADIATION SICKNESS BY
HOMOTRANSPLANTATION OF FRESH AND PRESERVED
SPLEEN, BY V. A. REVIS, A. A. SOKOLOV, 12 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA,
VOL VII, NO 11, 1962, PP 65-73.

JPRS 17402

SCI - MED

JAN 63

221,088

Dobrova, S. M. and Berezhnov, I. P.
THE PRESENT STATE OF THE PROBLEM OF THE
RADIO-ISOTOPE DIAGNOSIS OF TUMORS OF THE
EYE. [1963] [14p]. 44refs. FASEB manuscript
no. S 51-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-23858

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 77-82. (Abstract available)

DESCRIPTORS: *Tracer studies, *Tumors, *Eye,
Neoplasms, *Diagnosis, Ophthalmology, *Radioactive
isotopes.

This relatively short survey of the accessible literature
on the use of radio isotope diagnosis of intraocular
tumors shows that with rare exceptions positive results
of tests with P³² and I¹³¹ are of practical value in
determining the nature of neoplasms of the eye. They
(Biological Sciences--Pathology, TT, v. 11, no. 5)(over)

TT-63-23858

- I. Dobrova, S. M.
- II. Berezhnov, I. P.
- III. FASEB S-51-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Volyuk, V. M.

CERTAIN FEATURES OF THE MECHANISM OF LEUKOPENIA IN ACUTE RADIATION SHOCK. [1963]
[6p. FASEB manuscript no. S 52-3.]

[6p. FASEB manuscript no. S 52-3.]
Order from CTS or SLA \$1.10 63-23859

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 82-85.

DESCRIPTIONS: *Leukopenia, *Radiation sickness,
*Shock (Pathology), Hemopoietic system.

It is shown that the lower the dose of radiation received, the greater the relative importance of redistribution in the development of leukopenia. The larger the dose of radiation, the sooner the redistributive, functional phase of leukopenia gives way to substantial organic changes in the leukocytes of the blood and bone marrow. The phasic nature of the changes in leukopoiesis during (Biological Sciences--Radiobiology, TT, v. 10, no. 11)
(over)

63-23859

- I. Volyuk, V. M.
- II. FASEB S-52-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Shubina, A. V.

THE EFFECT OF SEVERAL PHARMACOPEIAL PREPARATIONS ON EXPERIMENTAL RADIATION SICKNESS (Vliyanie Nekotorykh Pharmakopeinykh Preparatov na Iuchevyuyu Bolezn' v Ekspiremente). [1963] [71] FASEB Manuscript no.: S 53-3.

Order from OTS, SLA, or ETC \$1.10 TT-63-24446

Trans. of Meditinskaya Radiologiya (USSR) 1962, v. 7, no. 11, p. 83-86. (Abstract available)

Another trans. is available from OTS \$1.50 in TT-63-21030, JPRS-17402, 31 Jan 63 [58 p].

DESCRIPTORS: Drugs, *Radiation sickness, *Radio-protective drugs, Hemopoietic system,

Two plant substances, Aralia mandshurica and Ononis arvensis, and a chemical preparation of Leukogen (4-carboxy- α -phenyl-2-thiazolidinacetic acid) were (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)

TT-63-24446

1. Title: Aralia
2. Title: Leucogen
3. Title: Ononis
- I. Shubina, A. V.
- II. FASEB-S-53-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

S-951/62

Scientific Conference Dedicated to Problems of Recovery From Radiation Injuries, by O. V. Popov.
(DC-8346)

RUSSIAN, per, Med Radiol, Vol VI, No 11, 1962,
pp 92-94.

*JPRS

Sci - MED

26 Dec 62

Volkova, M. A., Pel'man, S. G., and Dar'yalova, S. L.
COMPARATIVE DISTRIBUTION OF COLLOIDAL SOLUTIONS OF RADIOACTIVE YTTRIUM SALTS IN ANIMALS FOLLOWING INTRAPERITONEAL ADMINISTRATION; [1963] [12p] (fig omitted) 4refs
FASEB Manuscript no. S 136-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24463

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 3-7. (Abstract available)

DESCRIPTORS: *Absorption (Biological), Colloids,
+Yttrium compounds, *Labeled substances, Tracer studies, Bone, Blood, Reticulendothelial system,

The differences in distribution of colloidal solutions of the silicate, phosphate and fluoride salts of radioactive yttrium were studied. Female rats were given a single injection of the isotopes into the abdominal cavity. All (Biological Sciences--Radiobiology, TT, v. 11, no. 6)
(over)

TT-63-24463

- I. Volkova, M. A.
- II. Pel'man, S. G.
- III. Dar'yalova, S. L.
- IV. FASEB-S-136-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Umanskii, K. G., Shuster, M. A., and Yudin, L. A.
DETERMINATION OF THE EXTENT OF INJURY TO
THE FACIAL NERVE BY RADIOINDICATION OF THE
SALIVA. [1963] [11p] 44-62 FASEB Manuscript

no.: S-137-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-14462

Trans. of Meditsinskaya Radiobiologiya (USSR) 1962 [v. 7]
no. 12, p. 21-25. (Abstract available)

DESCRIPTIONS: Tissue studies, *Saliva, Secretion,
*Wounds and injuries, *Facial nerve, Salivary glands,
Diagnostic agents.

Radiometric investigation of the functioning of the salivary glands reveals a distinct difference in ^{131}I accumulation when the facial nerve is damaged at different levels; this is of diagnostic importance. In damage to the trunk of the facial nerve radioactivity in the saliva is lower on the side affected. In damage to the center of (Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24462

- I. Umanskii, K. G.
- II. Shuster, M. A.
- III. Yudin, L. A.
- IV. FASEB-S-137-3
- V. Federation of American Societies for Experimental Biology, Washington, D. C.
- VI. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Al'ferova, V. V. and Kuznetsova, L. V.
THE STATE OF THE PERIPHERAL VESSELS IN
INDIVIDUALS WORKING WITH THE CYCLOTRON.
[1963] [18p] 7refs FASEB Manuscrip: no.: S 138-3.
Order from OTS, SLA, or ETC \$1.60 TT-63-24464

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 12, p. 32-37. (Abstract available)

DESCRIPTORS: *Radiation effects, *Blood vessels,
Plethysmography, Cyclotron, Operators (Personnel),
Blood pressure,

The state of the peripheral vessels was observed in
individuals who had worked with a cyclotron for be-
tween 4 and 9 years and in individuals who had never
been exposed to a toxic or radiation effect. Among
individuals working with the cyclotron, arterial pres-
sure was normally 10-20 mm lower than in the control
(Biological Sciences--Radiobiology, TT, v. 11, no. 5)
(over)

TT-63-24464

- I. Al'ferova, V. V.
- II. Kuznetsova, L. V.
- III. FASEB-S-138-3
- IV. Federation of American
Societies for Experimental
Biology, Washington,
D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-63-24471

Kovalenko, A. V.
CHANGES IN LEUKOCYTE MOTILITY IN RADIATION
THERAPY. [1963] [7p] 5refs FASEB manuscript
no. S 139-3.

Order from OTS, SLA, or ETC \$1.10 TT-63-24471

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 12, p. 38-40. (Abstract available)

DESCRIPTORS: *Radiotherapy, *Radiation injuries,
*Leucocytes, *Phagocytosis, Contrast media,
Microscopy, Diagnostic agents,

Small doses of penetrating radiation initially increase leukocyte motility. Following repeated irradiation there is a reduction in the total number of leukocytes and a noticeable reduction in their motility by comparison with the initial levels prior to irradiation. (Author)

(Biological Sciences--Radiobiology, TT, v. 11, no. 5)

- I. Kovalenko, A. V.
- II. FASEB-S-139-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

			TT-63-24465
Gladkova, G. S.	I. Gladkova, G. S.		
SOME COMPARATIVE DATA ON TWO METHODS FOR STUDYING THE TAKE OF BONE GRAFTS USING RADIOACTIVE INDICATORS. [1963] [9p] (fig. omitted) FASEB Manuscript no.: S 140-3.	II. FASEB-S-140-3		
Order from OTS, SLA, or ETC \$1.10	III. Federation of American Societies for Experi- mental Biology, Washington, D. C.		
Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7, no. 12, p. 40-43. (Abstract available)	IV. Scripta Technica, Inc., Washington, D. C.		
DESCRIPTORS: *Bone, *Transplantation, *Tracer studies, Pulse counters, Autoradiography, Surgery, Medical equipment, Diagnostic agents.			
The object of the research was to study mineral metabo- lism between the graft and the accepting matrix in the recipient following the transplantation of fresh grafts and grafts preserved at low temperature to various bone matrices. By using the pulse count method it was (Biological Sciences--Radiobiology, TT, v. 11, no. 6) (over)	Office of Technical Services		

TT-63-24466

Shevchenko, V. I.
THE NATURE OF DISTURBANCES TO BLOOD
COAGULATION IN CHRONIC (OCCUPATIONAL)
X-IRRADIATION. [1963] [19p] 17refs FASEB
Manuscript no.: S 142-3.
Order from CTS, STA, or ETC \$1.60 TT-63-24466

Trans. of Meditsinskaya Radiologiya (USSR) 1962, v. 7,
no. 12, p. 49-55. (Abstract available)
Another trans. is available from CTS \$1.00 in
JPRS-17659, 15 Feb 63 [38]p.

DESCRIPTIONS: *Blood coagulation, *Health physics,
*Radiation effects, Industrial medicine, Blood
disorders, X-rays,

The authors examined 20 workers in X-ray departments
employed for periods of between a few months and 20
years. The data obtained show that although there are
regular and fairly simple disturbances to blood coagula-
(Biological Sciences--Radiobiology, TT, v. 11, no. 6)
(over)

- I. Shevchenko, V. I.
- II. FASEB-S-142-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Kalistratova, V. S.

THE EFFECT OF INFLAMMATION OF SUBCUTANEOUS CELL TISSUE AND SENSITIZATION ON Sr⁹⁰ DISTRIBUTION IN THE ORGANISM. [1963] [8p]
FASEB manuscript no. 8 143-3.
Order from OTS, SLA, or ETC \$1.10 TT-64-13496

Trans. of Meditsinskaya Radiologiya (USSR) 1962,
v. 7, no. 11, p. 56-58.

TT-64-13496

I. Kalistratova, V. S.
II. FASEB-S-143-3
III. Federation of American
Societies for Experimental
Biology,
Washington, D. C.
IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 11)

Office of Technical Services

S-51/63

Effect of Repeated Prolonged Irradiation on Blood
and Lymphojetic Organs, by G. D. Baysogolov.
(KY-7427)

RUSSIAN, per, Medit Radiologiya, Vol VII, No 12,
1962, pp 68-77.

*JPRS

Sci - Med
17 Jan 63

S-367/63

Prospects for Extracting Radioactive Strontium
from the Organism, by V. S. Balabukha, N. O.
Razumovskiy. SF-2603

RUSSIAN, per, Meditsinskaya Radiologiya, Vol VII,
No 3, 1963, pp 71-76.

*JPIS

Sci - Med.

Apr 63

PREOPERATIVE IRRADIATION OF MAMMARY CANCER VIA
INTESTINAL ADMINISTRATION OF RADIOACTIVE
COLLOIDAL GOLD, BY A. V. KANTIN, L. A. KACHUR,
ET AL, 13 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 24-32.

JPRS 18204

SCI - BIOL-MED SCI

MAY 63

228,877

DETERMINATION OF THE FUNCTIONAL STATE OF THE
THYROID BY MEANS OF A DIAGNOSTIC SCINTILLATION
APPARATUS OF THE DSU-61 TYPE, BY V. N. SLAVNOV,
T. P. SIVACHENKO, 5 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 36-38.

JPRS 18004

SCI - BIOL-MED SCI

MAY 63

228,878

SOME RESULTS OF THE ELABORATION OF THE PROBLEM
OF RADIOBIOLOGY IN PUBLIC HEALTH INSTITUTIONS
IN 1961, BY YE. I. VOROB'YEB, L. V. FUNSHEYN,
10 PP.

RUSSIAN, PER, MEDIT RADIOL, NO 1, 1963, PP 38-45.

JPRS 18904

OTS -TT-64-13922

SCI - BIOL-MED SCI

MAY 63

228,879

S-309/63

The Influence of Long-Term Internal Irradiation
With Radioactive Zinc on the Bioelectric Activity
of the Brain in Rabbits, by V. G. Ovakimov.
(NY-7557)

RUSSIAN, per, Medit Radiol, Vol VIII, N 1,
1963, pp 45-46.

*JPRS

Sci - Biol & M d Sci
22 Mar 63

Sheremet, Z. I. and Kazanova, L. I.
EFFECT OF VITAMIN B₁₂ ON THE NUCLEIC ACID
CONTENT OF THE HEMOPOIETIC ORGANS OF
IRRADIATED ANIMALS. [1963] [14p] 82refs FASEB
manuscript no. S 278-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13530
figs. available on loan from OTS
Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8,
no. 1, p. 46-54.

DESCRIPTORS: *Nucleic acids, Cells (Biology),
*Hemopoietic system, Radiation effects, Drugs, Bone
marrow, *Radioprotective agents, *Vitamin B₁₂

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13530

- I. Sheremet, Z. I.
- II. Kazanova, L. I.
- III. FASEB-S-278-3
- IV. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Vissarionova, V. Ya. and Chertkov, L. L. THERAPEUTIC EFFECT OF PURIFIED PROPERDIN IN MICE WITH ACUTE RADIATION SICKNESS, [1963] [7 p. microfiche FASEB manuscript no. S 281-3. Order from DTS, \$1.10 TT-64-13529	TT-64-13529 I. Vissarionova, V. Ya. II. Chertkov, L. L. III. FASEB-S-281-3 IV. Federation of American Societies for Experi- mental Biology, Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.
Transl. of Meditsinskaya Radiobiologiya (USSR) 1963, v. 8, no. 1, p. 67-64. Another transl. is available from DTS \$1.25 in TT-63-21676; JPRS-1B904, 25 Apr 63, 37p.	
(Biological Sciences--Radiobiology, TT, v. 11, no. 11)	Office of Technical Services

Korolev, G. K.

CHANGES IN THE CARDIOVASCULAR SYSTEM OF DOGS WITH RADIATION SICKNESS INDUCED BY URANIUM FISSION PRODUCTS. [1963] [16p] 18refs
FASEB manuscript no. S 282-3.

Order from OTS, SLA, or ETC \$1.60 TT-63-24500

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 1, p. 82-70. (Abstract available)

DESCRIPTORS: *Cardiovascular system, Dogs,
*Radiation sickness, *Fission products, *Uranium,
Heart, Blood pressure, Atrophy, Cardiac muscle.

A drop in pulse rate, which is later replaced by tachycardia, occurs in dogs during the first days postirradiation by uranium fission products ingested or inhaled. At the climax of radiation sickness the arterial pressure drops and weakening of the cardiac impulse, dullness of tones, and sometimes a pendulum rhythm (Biological Sciences--Radiobiology, TT, v. 11, no. 4)
(over)

TT-63-24500

- I. Korolev, G. K.
- II. FASEB-S-282-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, C. C.

Office of Technical Services

Application of the Isotope Method to Study
Absorption From the Alimentary Tract, by
D.E. Grodzenskiy, K. S. Zamychkina. 27 pp.
RUSSIAN, per, Meditinskaya Radiologiya, Vol 8,
No 1, 1963, pp 71-76.
SLA TI-64-19265

Sci/B&M

Jul 66

305,969

<p>Vakhteil', V. S. and Sinenko, L. F. THE EFFECT OF CYSTAMINE HYDROCHLORIDE ON THE DEVELOPMENT AND COURSE OF RADIATION SICKNESS IN PATIENTS UNDERGOING X-RAY THER- APY AND RADIOTHERAPY. [1963] (16p) 2refs FASEB Ms no.: S527-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13867 Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 13-19. DESCRIPTORS: *Radiation sickness, Therapy, Drugs, *Radioprotective agents, Amines.</p>	<p>TT-64-13867</p> <p>I. Title: Cystamine hydrochloride I. Vakhteil', V. S. II. Sinenko, L. F. III. FASEB-S-527-3 IV. Federation of American Societies for Experimental Biology, Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.</p>
(Biological Sciences--Radiobiology, TT, v. II, no. 8)	Office of Technical Services

A Case of Radiation Sickness Due to Radioactive Cesium, by L. I. Geller. 8 pp.
RUSSIAN, per, Meditinskaya Radiologiya, Vol 8,
No 2, 1963, pp 23-25.
SLA TT-64-19213

Sci/B&M
Jul 66

305,968

Use of Marrow Suspension in Superlethal Radiation
Affections by K. N. Maksinova, 7 pp.

RUSSIAN, per, Medit Radiol, Vol XVII, No 2, 1968,
pp 25-28. 9687675 ³

FID-TE-63-596

Sci-Med Sci & Bio
Nov 63

241,466

<p>Bogatov, L. V. THE REACTION OF THE BLOOD SYSTEM IN DOGS TO HEAVY LOSS OF BLOOD AT REMOTE PERIODS AFTER CHRONIC IONIZING IRRADIATION (O Reaktsii Sistemy Krovli u Sobak na Massivnyu Krovopoteryu v Otdalennye Sroki Posle Khronicheskogo Vozdeistviya Ioniziruyushchego Radiatsii). [1963] [18p] 14refs FASEB Ms no.: S530-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13839 Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 28-35. DESCRIPTORS: *Blood circulation, *Radiation effects, Hemorrhage, *Dogs, Radiation sickness. (Biological Sciences--Radiobiology, TT, v. 11, no. 8)</p>	<p>TT-64-13839</p> <p>I. Bogatov, L. V. II. FASEB-S-530-3 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Gruzdev, G. P., Evseeva, N. K., Rozhdestvenskii, L. M., Fedotova, M. I., and Shcherbova, B. N.
DISTURBANCE OF CELL REGENERATION IN THE BONE MARROW OF IRRADIATED RATS. [1963]
[14p] 12refs FASERB Mn No.: S 531-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13840

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 33-42.

DESCRIPTORS: *Hemopoietic system, *Bone marrow,
*Cells (Biology), *Blood cells, Regeneration, Rats,
*Radiation effects.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13840

- I. Gruzdev, G. P.
- II. Evseeva, N. K.
- III. Rozhdestvenskii, L. M.
- IV. Fedotova, M. I.
- V. Shcherbova, B. N.
- VI. FASERB-S-531-3
- VII. Federation of American Societies for Experimental Biology, Washington, D. C.

Office of Technical Services

<p>Ul'yanov, N. I. and Skharov, B. V. CHANGES IN THE LEUKOCYTE REACTION TO PAIN IN INJURIES CAUSED BY RADIATION WITH OR WITHOUT TRAUMA. [1963] [13p] 14refs FASEB Ms no.: S532-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13868 Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 2, p. 42-47.</p> <p>DESCRIPTORS: *Radiation injuries, *Shock (Pathology), *Pain, *Hematology, Blood cells, *Leukocytes, Radiation effects.</p> <p>(Biological Sciences--Radiobiology, TT, v. 11, no. II)</p>	<p>TT-64-13868</p> <p>I. Ul'yanov, N. I. II. Sakharov, B. V. III. FASEB-S-532-3 IV. Federation of American Societies for Experi- mental Biology, Washington, D. C. V. Scripta Technica, Inc. Washington, D. C.</p> <p>Office of Technical Services</p>
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LOWERIN THE IMMUNOBIOLOGICAL RESISTANCE OF
THE ORGANISM AS A MANIFESTATION OF THE IRREVERSIBLE
COMPONENT, BY I. G. AKOYEV, M. A. LAGUN, 10 PP.

RUSSIAN, PER, MEDITSINSKAYA RADILOGIYA, VOL VIII,
NO 2, 1963, PP ~~XX47~~-50.

JPRS 19152

SCI - MED
MAY 63

230,009

Antipenko, E. N.

RESIDUAL MANIFESTATIONS AND LATE SEQUELAE
OF ACUTE RADIATION SICKNESS IN MAN. [1963]
[30p] 67refs FASEB No no. SS34-3.

Order from OTS, GSA, or ETC \$2.60 TT-64-13924

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 2, p. 58-66.

DESCRIPTORS: *Radiation sickness, Man.

TT-64-13924

- I. Antipenko, E. N.
- II. FASEB-S-534-3
- III. Federation of American Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Radiobiology, TT, v. 11, no. 10)

Office of Technical Services

Mindlin, S. S.

THE CARDIOVASCULAR EFFECTS OF IONIZING RADIATION IN RADIATION THERAPY OF TUMOR PATIENTS. [1963] [16p] 7refs. FASEB Ms no.: S356-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13865

Trans. of Medizinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 26-31.

DESCRIPTORS: Radiotherapy, *Cardiovascular system, *Radiation effects, Neoplasma.

(Biological Sciences--Radiobiology, TT, v. 11, no. 8)

TT-64-13865

- I. Mindlin, S. S.
- II. FASEB-S-356-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

<p>Kuznetsova, L. V. and Egorova, M. S. THE ASSESSMENT OF β-RADIATION AS A FACTOR AFFECTING CYCLOTRON OPERATORS. [1963] [12p] 4refs FASEB Ms no.: 5357-3. Order from OTS, SLA, or ETC \$1.60 TT-64-13833 Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 3, p. 34-38.</p> <p>DESCRIPTORS: *Health physics, *Cyclotrons, *Radiation hazards, Operators (Personnel), Beta particles, Dose rate.</p> <p>(Biological Sciences--Radiobiology, TT, v. 11, no. 8)</p>	<p>TT-64-13833</p> <p>I. Kuznetsova, L. V. II. Egorova, M. S. III. FASEB-S-357-3 IV. Federation of American Societies for Experi- mental Biology, Washington, D. C. V. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Ertevyan, L. N.
ELECTROCARDIOGRAPHIC CHANGES IN CATS
WITH BRAIN TRAUMA AND RADIATION SICKNESS.
[1963] [18p] Refs FASEB manuscript no. S 358-3.
Order from DTS, SLA, or ETC \$1.60 TT-64-13407

Trans. of Meditainment Radiologiya (USSR)
1963, v. 8, no. 3, p. 38-43.

DESCRIPTORS: *Radiation sickness, *Brain, *Shock
(Pathology), Cats, Electrocardiography, *Cardio-
vascular system.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13407

- I. Ertevyan, L. N.
- II. FASEB-S-358-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D.C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Alekssova, M. S. and Fedorov, V. K.
A STUDY OF THE HIGHER NERVOUS ACTIVITY OF
THREE GENERATIONS OF RATS BORN OF PARENTS
IRRADIATED WITH γ -RAYS FROM Co60. [1963]
[15p] 7refs PASEB manuscript no. S 359-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13406

Trans. of Meditsinskaya Radiologiya (USSR) 1963,
v. 8, no. 3, p. 50-57.

DESCRIPTORS: *Nervous system, Rats, *Radiation
effects, *Gamma rays, Genetics, Cobalt, Fertility.

(Biological Sciences--Radiobiology, TT, v. 11, no. 9)

TT-64-13406

- I. Alekssova, M. S.
- II. Fedorov, V. K.
- III. PASEB-S-359-3
- IV. Federation of American
Societies for Experimental
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TT-63-24510

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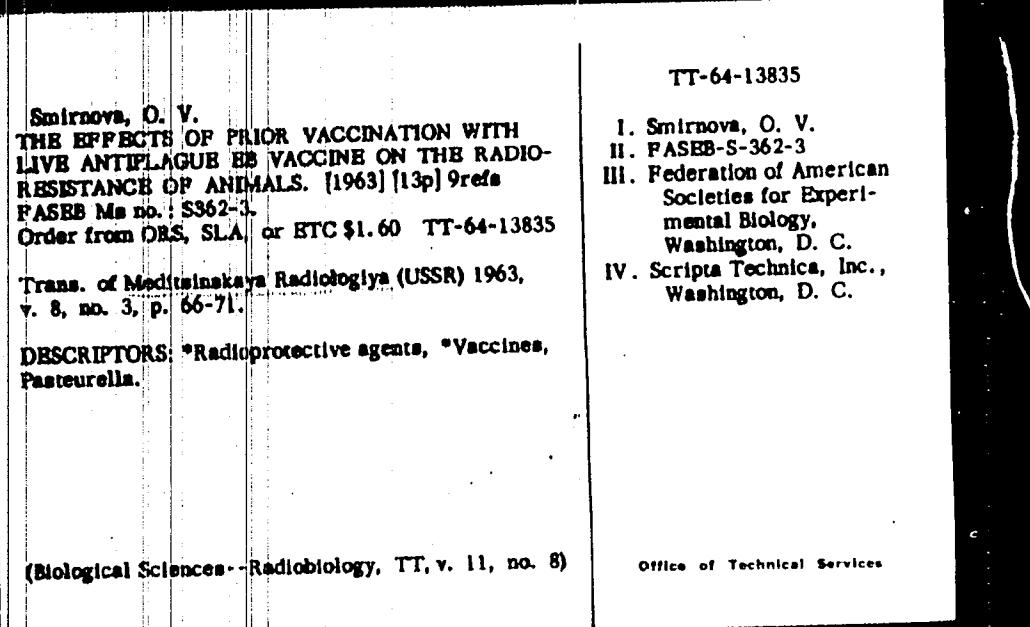
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Trans. of Meditsinskaya Radiobiologiya (USSR) 1963, v. 8,
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DESCRIPTIONS: *Radiation effects, Morphology
(Biology), Dogs, Radioactive Isotopes, Polonium,
Liver, *Cancer, *Gastrointestinal system, *Car-
cinogenic agents, Endocrine glands.

Morphological examination of dogs killed 9 years after
administration of Po²¹⁰ 0.05 mc/kg via gastro-intes-
tinal tract showed dystrophic changes in various organs
gross abnormalities in the stroma and parenchyma of
the liver with nodular proliferation of the liver cells as
a form of compensatory hypertrophy and hyperplasia
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figs. available on loan from OTS

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DESCRIPTORS: *Reproduction (Physiology),
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Trans. of Meditsinskaya Radiologiya (USSR) 1963,
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DESCRIPTORS: *Cancer, *Thyroid gland, *Iodine,
Radioactive Isotopes, Radiotherapy.

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G. V. SUMARUKOV, YU. B. KUDRYASHOV, 16 PP.

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